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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/532,009	11/16/2005	David S. Lawrence	96700/996	3836	
	7590 10/27/200 <b>THSTEIN &amp; EBENST</b>	EXAMINER			
90 PARK AVE	NUE	VU, JAKE MINH			
NEW YORK, N	N1 10016		ART UNIT	PAPER NUMBER	
			1618		
			MAIL DATE	DELIVERY MODE	
			10/27/2009	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Ар	Application No. Applicant(s)					
		10	/532,009	LAWRENCE ET AL.				
Office Action Summary			aminer	Art Unit				
		Jak	e M. Vu	1618				
Period fo	The MAILING DATE of this commun or Reply	nication appears	on the cover sheet	with the correspondence ac	dress			
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD F CHEVER IS LONGER, FROM THE Masions of time may be available under the provisions SIX (6) MONTHS from the mailing date of this common to predict of the provision of the properties of t	MAILING DATE of sof 37 CFR 1.136(a). munication. tatutory period will apport will, by statute, cause	OF THIS COMMU In no event, however, may ly and will expire SIX (6) No the application to become	NICATION.  y a reply be timely filed  MONTHS from the mailing date of this of a ABANDONED (35 U.S.C. § 133).	,			
Status								
1) 又	Responsive to communication(s) file	ed on 10 June 2	2009					
2a)□	•	2b)⊠ This actio						
3)	· · · · · · · · · · · · · · · · · · ·							
- / 🗀	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposit	on of Claims							
4)🖂	Claim(s) <u>1-8,11,131-133 and 144-1</u>	49 is/are pendin	g in the application	٦.				
•	4a) Of the above claim(s) <u>131-133 and 146-149</u> is/are withdrawn from consideration.							
	i) Claim(s) is/are allowed.							
′=	s)⊠ Claim(s) <u>1-8,11,144 and 145</u> is/are rejected.							
7)	Claim(s) is/are objected to.	,						
′—	Claim(s) are subject to restrict	ction and/or elec	ction requirement.					
Applicat	ion Papers							
9) ☐ The specification is objected to by the Examiner.								
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority ι	ınder 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:								
	1. Certified copies of the priority	documents hav	e been received.					
	2. Certified copies of the priority documents have been received in Application No							
	3. Copies of the certified copies	of the priority de	ocuments have be	en received in this National	Stage			
	application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of the certified copies not received.								
Attachmen	t(s)							
1) Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413)								
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  Paper No(s)/Mail Date  Notice of Informal Patent Application								
	nation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date <u>6/10/09,11/16/05</u> .		6) Other:					

Receipt is acknowledged of Applicant's Restriction Requirement Response filed on 06/10/2009; and Information Disclosure Statement filed on 06/10/2009 and

11/16/2005.

Claim 8 has been amended.

Claims 144-149 have been added.

Claims 12, 15, 22, 26, 29, 138-140 have been cancelled.

• Claims 1-8, 11, 131-133, 144-149 are pending in the instant application.

• Claims 131-133, 146-149 are withdrawn from consideration.

Election/Restrictions

Applicant's election with traverse of Group I (claims 1-8, 11 and newly added claims 144-145) in the reply filed on 06/10/2009 is acknowledged. The traversal is on the ground(s) that it would not place an undue burden on the Examiner to examine both Group I and III. This is not found persuasive, because searching all of the claims would require searching in numerous different classes and subclasses, as well as a different searching focus depending on whether the compound com or a kit comprising a vector

The requirement is still deemed proper and is therefore made FINAL.

are being searched. Thus, the search would pose an undue burden on the Office.

## Claim Rejections - 35 USC § 102/103

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-8, 11, 144-145 are rejected under 35 U.S.C. 102(e) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over KAO et al (US 6,803,479).

Applicant's claims are directed to a compound comprising of: a ligand, such as a muristerone A, which is a steroid; and a molecular cage, such a nitromethoxybenzyl moiety, such as 1-methyl-4,5-dimethoxy-2-nitrobenze. Additional limitations include: two-photon cage; and 325-375nm wavelengths.

KAO teaches a compound comprised of: a ligand, such as a muristerone A (see col. 15, line 11; Figure 9), which is a steroid and non-steroidal ecdysoid (see col. 15, line 17-19); and a molecular cage, such a nitromethoxybenzyl moiety (see col. 16, line 46-60), such as 1-methyl-4,5-dimethoxy-2-nitrobenze (see figure 11). Additional limitations include: two-photon cage (see col. 16, line 39-40 and line 20-27); and 360nm wavelength (see figure 11; col. 16, line 25-26); photochemically transform by light to yield free (see col. 1, line 13-14); caging group must be covalent linked (see col. 16, line 14-15); linking ligand of Figure 9 with molecular cage of Figure 11 in KAO would give the compound of claim 8 as claimed by Applicant.

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Telephonic Inquiries

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Jake M. Vu whose telephone number is (571)272-8148.

The examiner can normally be reached on Mon-Tue and Thu-Fri 8:30AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Michael Hartley can be reached on (571) 272-0616. The fax phone number

for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

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For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

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USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Jake M. Vu/

Primary Examiner, Art Unit 1618